



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/768,658

02/02/2004

Kyung-chul Nam

Q78895

8255

23373 7590 12/27/2007
SUGHRUE MION, PLLC
2100 PENNSYLVANIA AVENUE, N.W.
SUITE 800
WASHINGTON, DC 20037

EXAMINER

JEFFERSON, DEAUNDRE L

ART UNIT

PAPER NUMBER

4157

MAIL DATE

DELIVERY MODE

12/27/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/768,658	Applicant(s) NAM ET AL.	
	Examiner Deaundre Jefferson	Art Unit 4157	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>02-02-2004, 01-25-2005</u> . | 6) <input type="checkbox"/> Other: ____. |

Detailed Office Action

Claim Objections

Claim 4 is objected because of the following informalities: the database does “classify” the multimedia content files as claimed. Rather, the classifying unit does.

Appropriate correction is required.

For purposes of this office action it is assumed that the database stores multimedia content, and the classifying unit classifies the multimedia content files to be consistent with claim 1.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 1-20 rejected under 35 U.S.C. 102(e) as being anticipated by Zylka (U.S. 2003/0068154).

Art Unit: 4157

Zylka teaches:

An apparatus for searching multimedia content on a television (see fig 1),

the apparatus comprising:

a content searching unit (gateway acts as content searching unit, e.g., [0049]), which searches for multimedia content files from all media connected to the television (since gateway is able to receive content from media devices connected to it, it is inherent that the gateway have means of locating the content, e.g. searching- see [0007]); a classifying unit (gateway also serves as classifying unit, e.g. [0049]), which classifies the multimedia content files into types; a content database (database-311 see fig. 2), which stores the multimedia content files by types, (e.g. [0043] and [0049]).

Re claim 2, the gateway is able to search for multimedia content using metadata, i.e. file type, which must be know (e.g. [0043] and 0049]). Thus it is inherent that content searching unit checks the file extent to determine whether or not the file is a multimedia content file or not.

Re claim 3, Zylka teaches that the gateway uses indexed metadata (which can be file type- see [0043]) to classify (catalog) the multimedia content which requires that the file extension to be know. Thus, it is inherent the file extension be used to determine whether the file is one of moving picture file, photo, a picture file, a music file and a flash file.

Re claim 4, the apparatus of claim 1, wherein the content database classifies the multimedia content files into types and stores the multimedia

Art Unit: 4157

contents files along with additional information related to the multimedia content files (see metadata, e.g. [0043]).

Re claim 5 , wherein the additional information comprises a file name, a file length, a recording date of the file, and the title of the file's multimedia content (additional information such as file size along with file type is included in metadata, e.g. [0043]).

For claim 6, Zylka teaches:

a television (see [0014]) having a function of searching multimedia content, the television comprising:

a storing unit (pvr disk-106, see fig. 1), which stores various content; a searching unit (gateway acts as searching unit, e.g. [0049]), which searches for multimedia content from among the various content in the storing unit and stores the multimedia content in a database according to types of the multimedia content (database-311, see 311); a first decoder (decoder(s)-103 see fig. 1), which links a multimedia content file selected by a user to a predetermined execution program for decoding; a broadcast stream receiving unit, which receives broadcast stream data; second decoder (decoder(s)-103 see fig 1), which de-multiplexes and decodes the broadcast stream data from the broadcast stream receiving unit (tuner-202, see fig. 1); and an interactive interfacing unit (user interface-118 see fig. 1, e.g. [0016]).

Re Claim 7, the television of claim 6, wherein the storing unit is one of a hard disc drive (HDD) (see pvr disk- fig 1-106) and a memory stick (Zylka

Art Unit: 4157

teaches a PDA which inherently has flash memory which is a can also be consider a memory stick (see [0040]).

Claim 8 is rejected on the same basis as claim 1.

Claim 9 is rejected on the same basis as claim 2.

Claim 10 is rejected on the same basis as claim 3.

Claim 11 is rejected on the same basis as claim 4.

Claim 12 is rejected on the same basis as claim 5.

Regarding claims 13-17 are method claims corresponding to apparatus claims 1-12. Thus, they have been analyzed and rejected w/r to claims 1-12.

For claim 18, Zylka teaches:

a method of searching and executing multimedia content files on a television, the method comprising:

searching for multimedia content files from among files stored in media connected with the television when a command is input by a user, classifying the multimedia content files by types (see [0049]), and displaying information related to the classified results (user interface, see [0016]); linking a file selected by the user based on the information related to the classified results, to a predetermined execution program; and executing and displaying the file by the predetermined execution program (since the gateway, as apart of a television and set-top, is able to play back all multimedia stored in the database, so it is inherent that the gateway have means of playing back multimedia files, see [0014]).

Claim 19 is rejected on the same basis as claim 1.

Art Unit: 4157

Claim 20 is rejected on the same basis as claim 2.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Benitez (US Patent 7,185,049), Pytlovany (US Patent 6,119,127), Adams, JR, et al. (Pub. No. US 2004/0111432) and Kolar et al. (Pub. No. US 2004/0064500) all teach apparatus and methods that search and classify multimedia contents.

Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Deaundre Jefferson whose telephone number is (571)-270-3754. The examiner can normally be reached on Mon-Thurs from 7:30am-5:00pm and Fri from 7:30am-10:00am.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's Supervisor, Vu Le can be reached on (571) 272-7332. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through

Art Unit: 4157

Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Deaundre Jefferson/
Patent Examiner

/Vu Le/
Supervisory Patent Examiner, Art Unit 4157
Patent Training Academy